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2 Optimal realization of arbitrary forces in a magnetic stereotaxis sys
Meeker, D.C.; Maslen, E.H.; Ritter, R.C.; Creighton, F.M.;

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3 Controlling the attitude of linear time-varying model LEO satellite u only electromagnetic actuation
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4 A high-temperature, "volume-type", ECR ion source for RIB generat
Alton, G.D.; Zhang, T.; Liu, Y.; Reed, C.A.; Williams, C.;

 Particle Accelerator Conference, 1999. Proceedings of the 1999 , Volume: 3 ,
 March-2 April 1999
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5 The 900 kN electromagnetic press with superconducting coils
Filatov, V.V.; Korsunsky, V.E.;

Magnetics, IEEE Transactions on , Volume: 32 , Issue: 3 , May 1996
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6 Spacecraft attitude control in Hamiltonian framework

Wisniewski, R.;

Control Applications, 2000. Proceedings of the 2000 IEEE International Conference on , 25-27 Sept. 2000

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7 Electrostatic/electromagnetic gripper for micro-assembly

Feddema, J.T.; Ogden, A.J.; Warne, L.K.; Johnson, W.A.; Armour, D.;

World Automation Congress, 2002. Proceedings of the 5th Biannual , Volume: 14 , 9-13 June 2002

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8 Optimized electromagnetic coil design theory

Chapman, B.L.W.; Doyle, M.; Pohost, G.M.;

Southeastcon '92, Proceedings., IEEE , 12-15 April 1992

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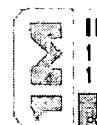
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1 [Formulation of design rules for NMR imaging coil by using symbolic manipulation](#)

John F. Schenck, M. A. Hussain

 August 1981 **Proceedings of the fourth ACM symposium on Symbolic and algebraic computation**

 Full text available: [pdf\(537.79 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A common problem in electrical technology is to design a current carrying coil that will produce a given magnetic field. For over a hundred years an equation, the Biot-Savart law, has been available that defines precisely the magnetic field at any point as a line integral along the path of the electric currents that are the sources of the field. In principle then, the design problem is straightforward - it is merely necessary to invert the Biot-Savart law and find a path whose line integral ...

2 [The use of memory in text processing](#)

Michael Lebowitz

 December 1988 **Communications of the ACM**, Volume 31 Issue 12

 Full text available: [pdf\(2.01 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The performance of a natural language processing system should improve as it reads more and more texts. This is true both for systems intended as cognitive models and for practical text processing systems. Permanent long-term memory should be useful during all stages of text understanding. For example, if, while reading a patent abstract about a new disk drive, a system can retrieve information about similar objects from memory, processing should be simplified. However, most natural language ...

3 [Pen computing: a technology overview and a vision](#)

André Meyer

 July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3

 Full text available: [pdf\(5.14 MB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)


This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions. Starting with a short historic ...

4 [APL, dynamic programming, and the optimal control of electromagnetic brake retarders](#)

Scott Kimbrough

 June 1995 **ACM SIGAPL APL Quote Quad**, **Proceedings of the international conference**

on Applied programming languages, Volume 25 Issue 4

Full text available:  [pdf\(732.27 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The basis of dynamic programming is described. It is a method for finding the best way to control a system when that system can be controlled by its inputs. As an example, the optimal (or best) control of an electromagnetic brake retarder is derived. In this example the current to the brake retarder is the input being controlled. APL is shown to be a convenient language for writing a dynamic programming algorithm. A set of APL subroutines is provided for solving two-dimensional problems with ...

Keywords: APL, dynamic programming, electromagnetic brake, optimal control

5 An algorithm for modeling saturating magnetic devices

George A. O'Sullivan

June 1970 **Proceedings of the June 1970 design automation workshop on Design automation**

Full text available:  [pdf\(541.28 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Nonlinear magnetic devices present complexities in circuit analysis that are not readily solved by conventional techniques. Two algorithms are developed that provide computer-aided techniques for the classical problems of saturation, hysteresis and the multicircuit device. Hysteresis, long recognized as a difficult analytical problem, is managed by dual numerical integration for each nonlinear magnetic device.

6 Magneto-optical data storage

Terry McDaniel

November 2000 **Communications of the ACM**, Volume 43 Issue 11

Full text available:  [pdf\(397.56 KB\)](#)  [html\(34.62 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

7 The calculation of the dimensions for an electromagnet with a T armature.

G. Cividjian, P. Degeratu, O. Cernian

June 1976 **The proceedings of the thirteenth design automation conference on Design automation**

Full text available:  [pdf\(361.34 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

It is presented a computer aided design for the calculation of dimensions of the direct current and alternating current electromagnets with a T plunger, starting from their geometric shape, the lower level of the force in n points of the armature travel and the thermal conditions. The results of the computations are compared with the experimental data.

8 Fast Hankel Transforms Using Related and Lagged Convolutions

Walter L. Anderson

December 1982 **ACM Transactions on Mathematical Software (TOMS)**, Volume 8 Issue 4

Full text available:  [pdf\(1.67 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

9 Integrality and separability of input devices

Robert J. K. Jacob, Linda E. Sibert, Daniel C. McFarlane, M. Preston Mullen

March 1994 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 1 Issue 1

Full text available:  [pdf\(1.51 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Current input device taxonomies and other frameworks typically emphasize the mechanical

structure of input devices. We suggest that selecting an appropriate input device for an interactive task requires looking beyond the physical structure of devices to the deeper perceptual structure of the task, the device, and the interrelationship between the perceptual structure of the task and the control properties of the device. We affirm that perception is key to understanding performance of multi ...


Keywords: Polhemus tracker, gesture input, input devices, integrality, interaction techniques, perceptual space, separability

10 MEMS-based integrated-circuit mass-storage systems

L. Richard Carley, Gregory R. Ganger, David F. Nagle

November 2000 **Communications of the ACM**, Volume 43 Issue 11

Full text available:  pdf(577.78 KB)

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Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

11 Sensetable: a wireless object tracking platform for tangible user interfaces

James Patten, Hiroshi Ishii, Jim Hines, Gian Pangaro

March 2001 **Proceedings of the SIGCHI conference on Human factors in computing systems**

Full text available:  pdf(666.23 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper we present a system that electromagnetically tracks the positions and orientations of multiple wireless objects on a tabletop display surface. The system offers two types of improvements over existing tracking approaches such as computer vision. First, the system tracks objects quickly and accurately without susceptibility to occlusion or changes in lighting conditions. Second, the tracked objects have state that can be modified by attaching physical dials and modifiers. The s ...

Keywords: augmented reality, interactive surface, object tracking, system dynamics, tangible user interface, two-handed manipulation

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Terry McDaniel

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December 1988 **Communications of the ACM**, Volume 31 Issue 12Full text available: Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The performance of a natural language processing system should improve as it reads more and more texts. This is true both for systems intended as cognitive models and for practical text processing systems. Permanent long-term memory should be useful during all stages of text understanding. For example, if, while reading a patent abstract about a new disk drive, a system can retrieve information about similar objects from memory, processing should be simplified. However, most natural language ...

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John F. Schenck, M. A. Hussain

August 1981 **Proceedings of the fourth ACM symposium on Symbolic and algebraic computation**Full text available: Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A common problem in electrical technology is to design a current carrying coil that will produce a given magnetic field. For over a hundred years an equation, the Biot-Savart law, has been available that defines precisely the magnetic field at any point as a line integral along the path of the electric currents that are the sources of the field. In principle then, the design problem is straightforward - it is merely necessary to invert the Biot-Savart law and find a path whose line integral ...

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DOCUMENT-IDENTIFIER: US 20020106314 A1

TITLE: Microlaboratory devices and methods

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-----------------------------|-----------|-------|---------|---------|
| Pelrine, Ronald E. | Boulder | CO | US | |
| Shastri, Subramanian Venkat | Palo Alto | CA | US | |
| Joseph, Jose P. | Palo Alto | CA | US | |

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File: PGPB

Mar 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020028399

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020028399 A1

TITLE: Inspection system by charged particle beam and method of manufacturing devices using the system

PUBLICATION-DATE: March 7, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------------|----------|-------|---------|---------|
| Nakasuji, Mamoru | Kanagawa | | JP | |
| Noji, Nobuharu | Kanagawa | | JP | |
| Satake, Tohru | Kanagawa | | JP | |
| Hatakeyama, Masahiro | Kanagawa | | JP | |
| Kimba, Toshifumi | Kanagawa | | JP | |
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Dec 3, 2002

US-PAT-NO: 6489872

DOCUMENT-IDENTIFIER: US 6489872 B1

TITLE: Unilateral magnet having a remote uniform field region for nuclear magnetic resonance

DATE-ISSUED: December 3, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------------|-------|----------|---------|
| Fukushima; Eiichi | Albuquerque | NM | | |
| Jackson; Jasper A. | Albuquerque | NM | | |

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File: USPT

Jan 18, 2000

US-PAT-NO: 6015476

DOCUMENT-IDENTIFIER: US 6015476 A

TITLE: Plasma reactor magnet with independently controllable parallel axial current-carrying elements

DATE-ISSUED: January 18, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|----------|-------|----------|---------|
| Schlueter; Ross D. | Berkeley | CA | | |
| Marks; Steve | Moraga | CA | | |

US-CL-CURRENT: 156/345.46; 118/723E, 118/723ER, 118/723I, 118/723IR, 204/298.37

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|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D |
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☐ 5. Document ID: US 5376865 A

L10: Entry 5 of 5

File: USPT

Dec 27, 1994

US-PAT-NO: 5376865

DOCUMENT-IDENTIFIER: US 5376865 A

TITLE: Non-linear yoke assembly and cathode ray tube system for correction of image geometrical distortions

DATE-ISSUED: December 27, 1994

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------|------------|-------|----------|---------|
| Adler; Robert | Northfield | IL | | |

US-CL-CURRENT: 315/370; 313/413, 315/400, 335/211, 335/213

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D |
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☐ 1. Document ID: US 20030217914 A1

Using default format because multiple data bases are involved.

L8: Entry 1 of 19

File: PGPB

Nov 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030217914

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030217914 A1

TITLE: Small epicyclic magnetron with controlled radial sputtering profile

PUBLICATION-DATE: November 27, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------------|-------------|-------|---------|---------|
| Miller, Michael Andrew | Sunnyvale | CA | US | |
| Tsung, James H. | San Jose | CA | US | |
| Lubben, Daniel C. | Santa Clara | CA | US | |
| Hong, Ilyoung Richard | San Jose | CA | US | |
| Ding, Peijun | San Jose | CA | US | |

US-CL-CURRENT: [204/192.12](#); [204/298.2](#)

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMIC | Drawn Da |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 2. Document ID: US 20030217668 A1

L8: Entry 2 of 19

File: PGPB

Nov 27, 2003

PGPUB-DOCUMENT-NUMBER: 20030217668

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030217668 A1

TITLE: MAGNETICALLY LEVITATED TRANSPORTATION SYSTEM AND METHOD

PUBLICATION-DATE: November 27, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|------------------------|---------------|-------|---------|---------|
| Fiske, Orlo James | Goleta | CA | US | |
| Chen, Chen | Santa Barbara | CA | US | |
| Ricci, Michael Richard | Newbury Park | CA | US | |
| Paden, Bradley Evan | Santa Barbara | CA | US | |

US-CL-CURRENT: 104/282

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 3. Document ID: US 20020106314 A1

L8: Entry 3 of 19

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020106314

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020106314 A1

TITLE: Microlaboratory devices and methods

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-----------------------------|-----------|-------|---------|---------|
| Pelrine, Ronald E. | Boulder | CO | US | |
| Shastri, Subramanian Venkat | Palo Alto | CA | US | |
| Joseph, Jose P. | Palo Alto | CA | US | |

US-CL-CURRENT: 422/186; 204/164

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 4. Document ID: US 20020028399 A1

L8: Entry 4 of 19

File: PGPB

Mar 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020028399

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020028399 A1

TITLE: Inspection system by charged particle beam and method of manufacturing devices using the system

PUBLICATION-DATE: March 7, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------------|----------|-------|---------|---------|
| Nakasuji, Mamoru | Kanagawa | | JP | |
| Noji, Nobuharu | Kanagawa | | JP | |
| Satake, Tohru | Kanagawa | | JP | |
| Hatakeyama, Masahiro | Kanagawa | | JP | |
| Kimba, Toshifumi | Kanagawa | | JP | |
| Sobukawa, Hiroshi | Kanagawa | | JP | |
| Yoshikawa, Shoji | Tokyo | | JP | |
| Murakami, Takeshi | Tokyo | | JP | |
| Watanabe, Kenji | Kanagawa | | JP | |
| Karimata, Tsutomu | Kanagawa | | JP | |
| Oowada, Shin | Kanagawa | | JP | |

| | | |
|--------------------|----------|----|
| Saito, Mutsumi | Kanagawa | JP |
| Yamazaki, Yuichiro | Tokyo | JP |
| Nagai, Takamitsu | Kanagawa | JP |
| Nagahama, Ichirota | Kanagawa | JP |

US-CL-CURRENT: 430/30; 250/306, 356/237.5, 430/296

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 5. Document ID: US 6684794 B2

L8: Entry 5 of 19

File: USPT

Feb 3, 2004

US-PAT-NO: 6684794

DOCUMENT-IDENTIFIER: US 6684794 B2

TITLE: Magnetically levitated transportation system and method

DATE-ISSUED: February 3, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------------|---------------|-------|----------|---------|
| Fiske; Orlo James | Goleta | CA | | |
| Chen; Chen | Santa Barbara | CA | | |
| Ricci; Michael Richard | Newbury Park | CA | | |
| Paden; Bradley Evan | Santa Barbara | CA | | |

US-CL-CURRENT: 104/281; 104/283, 104/286

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. D |
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☐ 6. Document ID: US 6534935 B1

L8: Entry 6 of 19

File: USPT

Mar 18, 2003

US-PAT-NO: 6534935

DOCUMENT-IDENTIFIER: US 6534935 B1

TITLE: Color CRT apparatus

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|-------|-------|----------|---------|
| Sakurai; Hiroshi | Osaka | | | JP |
| Tagami; Etsuji | Osaka | | | JP |
| Wakasono; Hiromi | Hyogo | | | JP |

US-CL-CURRENT: 315/364

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KIMC | Draw. D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|---------|

☐ 7. Document ID: US 6489872 B1

L8: Entry 7 of 19

File: USPT

Dec 3, 2002

US-PAT-NO: 6489872

DOCUMENT-IDENTIFIER: US 6489872 B1

TITLE: Unilateral magnet having a remote uniform field region for nuclear magnetic resonance

DATE-ISSUED: December 3, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------------|-------|----------|---------|
| Fukushima; Eiichi | Albuquerque | NM | | |
| Jackson; Jasper A. | Albuquerque | NM | | |

US-CL-CURRENT: 335/299; 335/216

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 8. Document ID: US 6157278 A

L8: Entry 8 of 19

File: USPT

Dec 5, 2000

US-PAT-NO: 6157278

DOCUMENT-IDENTIFIER: US 6157278 A

TITLE: Hybrid magnetic apparatus for use in medical applications

DATE-ISSUED: December 5, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------|--------------|-------|----------|---------|
| Katznelson; Ehud | Ramat Yishai | | | IL |
| Zuk; Yuval | Haifa | | | IL |
| Rotem; Haim | Kfar Klil | | | IL |

US-CL-CURRENT: 335/296; 324/319, 324/320, 335/298, 335/299, 335/306

| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
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☐ 9. Document ID: US 6100688 A

L8: Entry 9 of 19

File: USPT

Aug 8, 2000

US-PAT-NO: 6100688

DOCUMENT-IDENTIFIER: US 6100688 A

TITLE: Methods and apparatus for NQR testing

DATE-ISSUED: August 8, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------------|-----------|-------|----------|---------|
| Smith; John Alec Sydney | London | | | GB |
| Shaw; Julian David | Encinitas | CA | | |

US-CL-CURRENT: 324/300; 324/307, 324/322

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw. De |
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☐ 10. Document ID: US 6015476 A

L8: Entry 10 of 19

File: USPT

Jan 18, 2000

US-PAT-NO: 6015476

DOCUMENT-IDENTIFIER: US 6015476 A

TITLE: Plasma reactor magnet with independently controllable parallel axial current-carrying elements

DATE-ISSUED: January 18, 2000

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|----------|-------|----------|---------|
| Schlueter; Ross D. | Berkeley | CA | | |
| Marks; Steve | Moraga | CA | | |

US-CL-CURRENT: 156/345.46; 118/723E, 118/723ER, 118/723I, 118/723IR, 204/298.37

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|

☐ 11. Document ID: US 5898306 A

L8: Entry 11 of 19

File: USPT

Apr 27, 1999

US-PAT-NO: 5898306

DOCUMENT-IDENTIFIER: US 5898306 A

**** See image for Certificate of Correction ****

TITLE: Single circuit ladder resonator quadrature surface RF coil

DATE-ISSUED: April 27, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-------------|-------|----------|---------|
| Liu; Haiying | Minneapolis | MN | | |
| Truwit; Charles L. | Wayzata | MN | | |

US-CL-CURRENT: 324/322; 324/318

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw. De |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|

☐ 12. Document ID: US 5855744 A

L8: Entry 12 of 19

File: USPT

Jan 5, 1999

US-PAT-NO: 5855744

DOCUMENT-IDENTIFIER: US 5855744 A

TITLE: Non-planar magnet tracking during magnetron sputtering

DATE-ISSUED: January 5, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|----------------|-------|----------|---------|
| Halsey; Harlan I. | Woodside | CA | | |
| Demaray; Richard E. | Portola Valley | CA | | |
| Black; Russell | San Carlos | CA | | |
| Hosokawa; Akihiro | Cupertino | CA | | |
| De Salvo; Allan | Los Gatos | CA | | |
| Hall; Victoria L. | Menlo Park | CA | | |

US-CL-CURRENT: 204/192.12; 204/298.12, 204/298.18, 204/298.19, 204/298.2

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 13. Document ID: US 5717294 A

L8: Entry 13 of 19

File: USPT

Feb 10, 1998

US-PAT-NO: 5717294

DOCUMENT-IDENTIFIER: US 5717294 A

**** See image for Certificate of Correction ****

TITLE: Plasma process apparatus

DATE-ISSUED: February 10, 1998

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|---------------|-------|----------|---------|
| Sakai; Itsuko | Yokohama | | | JP |
| Sekine; Makoto | Yokohama | | | JP |
| Horioka; Keiji | Yokohama | | | JP |
| Yoshida; Yukimasa | Yokohama | | | JP |
| Inazawa; Koichiro | Tokyo | | | JP |
| Ogasawara; Masahiro | Koufu | | | JP |
| Ishikawa; Yoshio | Koufu | | | JP |
| Eguchi; Kazuo | Yamanashi-ken | | | JP |

US-CL-CURRENT: 315/111.41; 118/723MR, 156/345.46, 204/298.37, 219/121.43,
315/111.21

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw D |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|--------|

☐ 14. Document ID: US 5433155 A

L8: Entry 14 of 19

File: USPT

Jul 18, 1995

US-PAT-NO: 5433155

DOCUMENT-IDENTIFIER: US 5433155 A

TITLE: High speed transport system

DATE-ISSUED: July 18, 1995

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|------------------------------|-------------------|-------|----------|---------|
| O'Neill, deceased; Gerard K. | late of Princeton | NJ | 08540 | |
| O'Neill, Executrix; by Tasha | Princeton | NJ | 08540 | |
| Hornik, Executor; by Morris | Washington | DC | 20008 | |

US-CL-CURRENT: 104/282; 104/138.1, 104/284, 105/365

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D. |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|

☐ 15. Document ID: US 5376865 A

L8: Entry 15 of 19

File: USPT

Dec 27, 1994

US-PAT-NO: 5376865

DOCUMENT-IDENTIFIER: US 5376865 A

TITLE: Non-linear yoke assembly and cathode ray tube system for correction of image geometrical distortions

DATE-ISSUED: December 27, 1994

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------|------------|-------|----------|---------|
| Adler; Robert | Northfield | IL | | |

US-CL-CURRENT: 315/370; 313/413, 315/400, 335/211, 335/213

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D. |
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☐ 16. Document ID: US 5282424 A

L8: Entry 16 of 19

File: USPT

Feb 1, 1994

US-PAT-NO: 5282424

DOCUMENT-IDENTIFIER: US 5282424 A

TITLE: High speed transport system

DATE-ISSUED: February 1, 1994

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-----------|-------|----------|---------|
| O'Neill; Gerard K. | Princeton | NJ | 08540 | |

US-CL-CURRENT: [104/282](#); [104/138.1](#), [104/284](#), [105/365](#)

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D. |
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☐ 17. Document ID: US 5227728 A

L8: Entry 17 of 19

File: USPT

Jul 13, 1993

US-PAT-NO: 5227728

DOCUMENT-IDENTIFIER: US 5227728 A

TITLE: Gradient driver control in magnetic resonance imaging

DATE-ISSUED: July 13, 1993

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|---------------|-------|----------|---------|
| Kaufman; Leon | San Francisco | CA | | |
| Carlson; Joseph W. | Kensington | CA | | |
| Gran; Richard | Farmingdale | NY | | |

US-CL-CURRENT: [324/322](#); [324/318](#)

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D. |
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☐ 18. Document ID: US 5039923 A

L8: Entry 18 of 19

File: USPT

Aug 13, 1991

US-PAT-NO: 5039923

DOCUMENT-IDENTIFIER: US 5039923 A

TITLE: Focus adjusting device for projection display

DATE-ISSUED: August 13, 1991

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------|----------|-------|----------|---------|
| Ogino; Masanori | Yokohama | | | JP |
| Yamada; Takeo | Yokohama | | | JP |
| Ikeda; Miyuki | Yokohama | | | JP |
| Niitsu; Ichiro | Yokohama | | | JP |

US-CL-CURRENT: [315/382](#); [313/442](#)

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. D. |
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☐ 19. Document ID: US 4523091 A

L8: Entry 19 of 19

File: USPT

Jun 11, 1985

US-PAT-NO: 4523091

DOCUMENT-IDENTIFIER: US 4523091 A

TITLE: Radiation detecting apparatus with reduced magnetic field sensitivity

DATE-ISSUED: June 11, 1985

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|------------|-------|----------|---------|
| Persyk; Dennis E. | Barrington | IL | | |

US-CL-CURRENT: 250/214VT; 250/363.02, 250/363.07, 313/532

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | K/MC | Draw. D. |
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| (L7 AND COORDINATE).PGPB,USPT. | 19 |

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1 Development of a laced electromagnetic wiggler
Christensen, T.C.; Burns, M.J.; Deis, G.A.; Parkison, C.D.; Prosnitz, D.; Halba K.;

Magnetism, IEEE Transactions on , Volume: 24 , Issue: 2 , Mar 1988

Pages:1094 - 1097

[\[Abstract\]](#) [\[PDF Full-Text \(320 KB\)\]](#) **IEEE JNL**
2 A high-temperature, "volume-type", ECR ion source for RIB generat
Alton, G.D.; Zhang, T.; Liu, Y.; Reed, C.A.; Williams, C.;

Particle Accelerator Conference, 1999. Proceedings of the 1999 , Volume: 3 , March-2 April 1999

Pages:1881 - 1883 vol.3

[\[Abstract\]](#) [\[PDF Full-Text \(334 KB\)\]](#) **IEEE CNF**
3 Optimized electromagnetic coil design theory
Chapman, B.L.W.; Doyle, M.; Pohost, G.M.;

Southeastcon '92, Proceedings., IEEE , 12-15 April 1992

Pages:757 - 762 vol.2

[\[Abstract\]](#) [\[PDF Full-Text \(428 KB\)\]](#) **IEEE CNF**